DETAILED ESTIMATE

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For the Work of

"Improvements and Restoration of Roads at Kaveri Layout, Nandana Residency, Anthony Layout, Munikempanna Layout of Dasarahalli Village and Other Roads in Ward No 06, Byatarayanapura Sub Division"

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements and Restoration of Roads at Kaveri Layout, Nandana Residency, Anthony Layout, Munikempanna Layout of Dasarahalli Village and Other Roads in Ward No 06, Byatarayanapura Sub Division

									Estimation Cost.Rs	**10000000.00**
Sl No	**Description of work**		**Mesurement**				**Qty**	**Rate**	**Amount**
		Unit	**No.**	**L**	**B**	**D**			
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,I No-19.1&17.4& 17.1) 5km lead= 57+2.0x1.28x5 =69.80								
	For Culvert	**Cum**							
	Muni Kempanna Layout								
	Main Road		1	4.00	1.50	0.95	5.70		
			1	4.60	1.50	0.95	6.56		
			1	5.00	1.50	0.95	7.13		
			1	5.50	1.50	0.95	7.84		
			1	4.80	1.50	0.95	6.84		
			1	5.90	1.50	0.95	8.41		
	For Drain Desilt								
	Kaveri Layout								
	Gully Mart Shop (W0682)		2	352.00	0.50	0.40	140.80		
	#2 Sri Mahalakshmi Nilaya (W1033)		2	41.00	0.50	0.40	16.40		
	#16/3 Beniwall Prem House Road (W0680)		1	20.00	0.50	0.40	4.00		
	Cell Kraft Shop Road (W0680)		2	74.00	0.50	0.40	29.60		
	#6 Matha Krupa House (W1021)		2	67.00	0.50	0.40	26.80		
	Muni Kempanna Layout								
	Main Road		2	260.00	0.50	0.40	104.00		
	Basic rate	130.00							
	Area weightage 6%	7.80							
	5Km lead & Lift= 57+(2*1.28*5)	69.80							
	Sub Total	**207.60**							
	Total						**364.07**	**207.60**	**75580.00**
2	**Removing and refixing** stone slabs of drains and pointing in CM (1:3) (P.No-27,I No-5.33)								
	Open Drain (Sides & Bottom)	**Sqm**	Width=Perimeter of Drain in U Shape						
	Kaveri Layout								
	Gully Mart Shop (W0682)		2	352.00	1.35		950.40		
	#2 Sri Mahalakshmi Nilaya (W1033)		2	41.00	1.35		110.70		
	#16/3 Beniwall Prem House Road (W0680)		1	20.00	1.35		27.00		
	#6 Matha Krupa House (W1021)		2	67.00	1.35		180.90		
	Muni Kempanna Layout								
	Main Road		2	160.00	1.35		432.00		
					Total		**1701.00**		
	Deduct 20% for Missing/Damaged						**340.20**		
	Consider 80% Qnty for Removing & Refixing						**1360.80**		
	Basic rate	105.00							
	Area weightage 6%	6.3							
	Sub Total	**111.30**							
	Total						**1360.80**	**111.30**	**151458.00**

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
3	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete.(P.No.27,I.No.5.31.1)								
	Provide 20% for missing and Damaged	**Sqm**	From Item No.01				**340.20**		
	Basic rate	700.00							
	Area weightage 6%	42							
	Sub Total	**742.00**							
	Total						**340.20**	**742.00**	**252429.00**
4	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.3)								
	For Culvert	**Cum**							
	Muni Kempanna Layout								
	Main Road		1	4.00	1.50	0.15	0.90		
			1	4.60	1.50	0.15	1.04		
			1	5.00	1.50	0.15	1.13		
			1	5.50	1.50	0.15	1.24		
			1	4.80	1.50	0.15	1.08		
			1	5.90	1.50	0.15	1.33		
	Basic rate	5301.69							
	Area weightage 6%	318.10							
	Sub Total	**5619.79**							
	Total						**6.71**	**5619.79**	**37681.00**
5	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm(Item No 37.59.2 page no 271)								
	Culvert Bottom Raft	**Cum**							
	Muni Kempanna Layout								
	Main Road		1	4.00	1.30	0.20	1.04		
			1	4.60	1.30	0.20	1.20		
			1	5.00	1.30	0.20	1.30		
			1	5.50	1.30	0.20	1.43		
			1	4.80	1.30	0.20	1.25		
			1	5.90	1.30	0.20	1.53		
	Culvert Side Walls								
	Muni Kempanna Layout								
	Main Road		2	4.00	0.30	0.60	1.44		
			2	4.60	0.30	0.60	1.66		
			2	5.00	0.30	0.60	1.80		
			2	5.50	0.30	0.60	1.98		
			2	4.80	0.30	0.60	1.73		
			2	5.90	0.30	0.60	2.12		
	Basic rate	7002.82							
	Area weightage 6%	420.17							
	Sub Total	**7422.99**							
	Total						**18.48**	**7422.99**	**137148.00**
6	KSRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200Specification No. Pg No.229 Item No.28.8.2								
	For Culvert	**Cum**	From Item No.05				18.48		
		kg	Steel assumed 90Kg/Cum of Concrete				1662.84		
		tonne					**1.66**		

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
	Basic rate	75610							
	Area weightage 6%	4536.6							
	Sub Total	**80146.60**							
	Total						**1.66**	**80146.60**	**133271.00**
7	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, load and lift,transportation etc ,complete.As per Engineer incharge								
	Culvert Cover Slab	**Sqm**							
	Muni Kempanna Layout								
	Main Road		1	4.00	1.20		4.80		
			1	4.60	1.20		5.52		
			1	5.00	1.20		6.00		
			1	5.50	1.20		6.60		
			1	4.80	1.20		5.76		
			1	5.90	1.20		7.08		
	Basic rate	**5418.00**							
	Total						**35.76**	**5418.00**	**193748.00**
8	KSRDB MG00-14. **Excavation for roadwork in all types of soil** by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 5km lead= (I No-19.14,P No-143)								
	Road	**Cum**							
	Sanitary Line								
	Kaveri Layout								
	Gully Mart Shop (W0682)		1	352.00	1.20	0.60	253.44		
	#2 Sri Mahalakshmi Nilaya (W1033)		1	41.00	1.20	0.60	29.52		
	#16/3 Beniwall Prem House Road (W0680)		1	20.00	1.20	0.60	14.40		
	Cell Kraft Shop Road (W0680)		1	74.00	1.20	0.60	53.28		
	AI OM Nivas House (W1029)		1	63.00	1.20	0.60	45.36		
	#6 Matha Krupa House (W1021)		1	67.00	1.20	0.60	48.24		
	Muni Kempanna Layout								
	Main Road		1	260.00	1.20	0.60	187.20		
	Cross Road		1	98.10	1.20	0.60	70.63		
	Water Supply Line								
	Kaveri Layout								
	Gully Mart Shop (W0682)		1	352.00	1.00	0.60	211.20		
	#2 Sri Mahalakshmi Nilaya (W1033)		1	41.00	1.00	0.60	24.60		
	#16/3 Beniwall Prem House Road (W0680)		1	20.00	1.00	0.60	12.00		
	Cell Kraft Shop Road (W0680)		1	74.00	1.00	0.60	44.40		
	AI OM Nivas House (W1029)		1	63.00	1.00	0.60	37.80		
	#6 Matha Krupa House (W1021)		1	67.00	1.00	0.60	40.20		
	Muni Kempanna Layout								
	Main Road		1	260.00	1.00	0.60	156.00		
	Cross Road		1	98.10	1.00	0.60	58.86		
	Basic rate	41.00							
	Area weightage 6%	2.46							
	5Km lead= (2*1.28*5)	12.80							
	Sub Total	**56.26**							
	Total						**1287.13**	**56.26**	**72415.00**

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
9	Supplying and laying Sand / Crushed Sand (Page No III Sl. No. 51 PWD SR 2018-2019)								
	Road	**Cum**							
	Sanitary Line								
	Kaveri Layout								
	Gully Mart Shop (W0682)		1	352.00	1.20	0.30	126.72		
	#2 Sri Mahalakshmi Nilaya (W1033)		1	41.00	1.20	0.30	14.76		
	#16/3 Beniwall Prem House Road (W0680)		1	20.00	1.20	0.30	7.20		
	Cell Kraft Shop Road (W0680)		1	74.00	1.20	0.30	26.64		
	A1 OM Nivas House (W1029)		1	63.00	1.20	0.30	22.68		
	#6 Matha Krupa House (W1021)		1	67.00	1.20	0.30	24.12		
	Muni Kempanna Layout								
	Main Road		1	260.00	1.20	0.30	93.60		
	Cross Road		1	98.10	1.20	0.30	35.32		
	Water Supply Line								
	Kaveri Layout								
	Gully Mart Shop (W0682)		1	352.00	1.00	0.30	105.60		
	#2 Sri Mahalakshmi Nilaya (W1033)		1	41.00	1.00	0.30	12.30		
	#16/3 Beniwall Prem House Road (W0680)		1	20.00	1.00	0.30	6.00		
	Cell Kraft Shop Road (W0680)		1	74.00	1.00	0.30	22.20		
	A1 OM Nivas House (W1029)		1	63.00	1.00	0.30	18.90		
	#6 Matha Krupa House (W1021)		1	67.00	1.00	0.30	20.10		
	Muni Kempanna Layout								
	Main Road		1	260.00	1.00	0.30	78.00		
	Cross Road		1	98.10	1.00	0.30	29.43		
	Basic rate	**1680.95**							
	Total						**643.57**	**1680.95**	**1081803.00**
10	KSRRB 300-64.1. Extra for watering the earth to bring the earth upto required optimum moisture content manually including cost of all labour complete as per specifications. (Page No. 148/ Item No. 19.71 PWD SR 2018-19)								
	Road	**Cum**							
	Sanitary Line								
	Kaveri Layout								
	Gully Mart Shop (W0682)		1	352.00	1.20	0.30	126.72		
	#2 Sri Mahalakshmi Nilaya (W1033)		1	41.00	1.20	0.30	14.76		
	#16/3 Beniwall Prem House Road (W0680)		1	20.00	1.20	0.30	7.20		
	Cell Kraft Shop Road (W0680)		1	74.00	1.20	0.30	26.64		
	A1 OM Nivas House (W1029)		1	63.00	1.20	0.30	22.68		
	#6 Matha Krupa House (W1021)		1	67.00	1.20	0.30	24.12		
	Muni Kempanna Layout								
	Main Road		1	260.00	1.20	0.30	93.60		
	Cross Road		1	98.10	1.20	0.30	35.32		
	Water Supply Line								
	Kaveri Layout								
	Gully Mart Shop (W0682)		1	352.00	1.00	0.30	105.60		
	#2 Sri Mahalakshmi Nilaya (W1033)		1	41.00	1.00	0.30	12.30		
	#16/3 Beniwall Prem House Road (W0680)		1	20.00	1.00	0.30	6.00		
	Cell Kraft Shop Road (W0680)		1	74.00	1.00	0.30	22.20		

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	A1 OM Nivas House (W1029)		1	63.00	1.00	0.30	18.90		
	#6 Matha Krupa House (W1021)		1	67.00	1.00	0.30	20.10		
	Muni Kempanna Layout								
	Main Road		1	260.00	1.00	0.30	78.00		
	Cross Road		1	98.10	1.00	0.30	29.43		
	Basic rate	12.00							
	Area weightage 6%	0.72							
	Sub Total	**12.72**							
	Total						**643.57**	**12.72**	**8187.00**
11	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. MORTH / Chapter 3(P.No.146, I.No.19.56)								
	Road	**Sqm**							
	Kaveri Layout								
	Gully Mart Shop (W0682)		1	352.00	4.40		1548.80		
	#2 Sri Mahalakshmi Nilaya (W1033)		1	41.00	4.60		188.60		
	#16/3 Beniwall Prem House Road (W0680)		1	20.00	4.40		88.00		
	Cell Kraft Shop Road (W0680)		1	74.00	4.10		303.40		
	A1 OM Nivas House (W1029)		1	63.00	5.00		315.00		
	#6 Matha Krupa House (W1021)		1	67.00	4.70		314.90		
	Muni Kempanna Layout								
	Main Road		1	260.00	6.10		1586.00		
	Cross Road		1	98.10	5.00		490.50		
	Basic rate	39.00							
	Area weightage 6%	2.34							
	Sub Total	**41.34**							
	Total						**4835.20**	**41.34**	**199888.00**

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
12	KSRRB 300-58. **Compaction of original ground** by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.(I No-19.64,P No-147)								
	Road	**Sqm**							
	Kaveri Layout								
	Gully Mart Shop (W0682)		1	352.00	4.40		1548.80		
	#2 Sri Mahalakshmi Nilaya (W1033)		1	41.00	4.60		188.60		
	#16/3 Beniwall Prem House Road (W0680)		1	20.00	4.40		88.00		
	Cell Kraft Shop Road (W0680)		1	74.00	4.10		303.40		
	A1 OM Nivas House (W1029)		1	63.00	5.00		315.00		
	#6 Matha Krupa House (W1021)		1	67.00	4.70		314.90		
	Muni Kempanna Layout								
	Main Road		1	260.00	6.10		1586.00		
	Cross Road		1	98.10	5.00		490.50		
	Basic rate	6.00							
	Area weightage 6%	0.36							
	Sub Total	**6.36**							
	Total						**4835.20**	**6.36**	**30752.00**
13	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18)								
	Road	**Cum**							
	Kaveri Layout								
	Gully Mart Shop (W0682)		1	352.00	4.40	0.20	309.76		
	#2 Sri Mahalakshmi Nilaya (W1033)		1	41.00	4.60	0.20	37.72		
	#16/3 Beniwall Prem House Road (W0680)		1	20.00	4.40	0.20	17.60		
	Cell Kraft Shop Road (W0680)		1	74.00	4.10	0.20	60.68		
	A1 OM Nivas House (W1029)		1	63.00	5.00	0.20	63.00		
	#6 Matha Krupa House (W1021)		1	67.00	4.70	0.20	62.98		
	Muni Kempanna Layout								
	Main Road		1	260.00	6.10	0.20	317.20		
	Cross Road		1	98.10	5.00	0.20	98.10		
	Sanitary Line								
	Kaveri Layout								
	Gully Mart Shop (W0682)		1	352.00	1.20	0.25	105.60		
	#2 Sri Mahalakshmi Nilaya (W1033)		1	41.00	1.20	0.25	12.30		
	#16/3 Beniwall Prem House Road (W0680)		1	20.00	1.20	0.25	6.00		
	Cell Kraft Shop Road (W0680)		1	74.00	1.20	0.25	22.20		
	A1 OM Nivas House (W1029)		1	63.00	1.20	0.25	18.90		
	#6 Matha Krupa House (W1021)		1	67.00	1.20	0.25	20.10		
	Muni Kempanna Layout								
	Main Road		1	260.00	1.20	0.25	78.00		
	Cross Road		1	98.10	1.20	0.25	29.43		
	Water Supply Line								
	Kaveri Layout								
	Gully Mart Shop (W0682)		1	352.00	1.00	0.25	88.00		
	#2 Sri Mahalakshmi Nilaya (W1033)		1	41.00	1.00	0.25	10.25		
	#16/3 Beniwall Prem House Road (W0680)		1	20.00	1.00	0.25	5.00		
	Cell Kraft Shop Road (W0680)		1	74.00	1.00	0.25	18.50		

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
	A1 OM Nivas House (W1029)		1	63.00	1.00	0.25	15.75		
	#6 Matha Krupa House (W1021)		1	67.00	1.00	0.25	16.75		
	Muni Kempanna Layout								
	Main Road		1	260.00	1.00	0.25	65.00		
	Cross Road		1	98.10	1.00	0.25	24.53		
	Basic rate	1888.00							
	Area weightage 6%	113.28							
	Sub Total	**2001.28**							
	Total						**1503.35**	**2001.28**	**3008615.00**
14	KSRRB M500-6. Providing and applying **primer coat** with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision(P.No-158,I No-21.6)								
	Road	**Sqm**							
	Kaveri Layout								
	Gully Mart Shop (W0682)		1	352.00	4.40		1548.80		
	#2 Sri Mahalakshmi Nilaya (W1033)		1	41.00	4.60		188.60		
	#16/3 Beniwall Prem House Road (W0680)		1	20.00	4.40		88.00		
	Cell Kraft Shop Road (W0680)		1	74.00	4.10		303.40		
	A1 OM Nivas House (W1029)		1	63.00	5.00		315.00		
	#6 Matha Krupa House (W1021)		1	67.00	4.70		314.90		
	Muni Kempanna Layout								
	Main Road		1	260.00	6.10		1586.00		
	Cross Road		1	98.10	5.00		490.50		
	Basic rate	32.00							
	Area weightage 6%	1.92							
	Sub Total	**33.92**							
	Total						**4835.20**	**33.92**	**164010.00**
15	KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by smooth wheeled, vibratory & tandem rollers to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. MORTH /Chapter 5 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 3.4 % VG-30 Bitumen(P.No.159,I.No.21.11.6).								
	Road	**Cum**							
	Kaveri Layout								
	Gully Mart Shop (W0682)		1	352.00	4.40	0.05	77.44		
	#2 Sri Mahalakshmi Nilaya (W1033)		1	41.00	4.60	0.05	9.43		
	#16/3 Beniwall Prem House Road (W0680)		1	20.00	4.40	0.05	4.40		
	Cell Kraft Shop Road (W0680)		1	74.00	4.10	0.05	15.17		
	A1 OM Nivas House (W1029)		1	63.00	5.00	0.05	15.75		
	#6 Matha Krupa House (W1021)		1	67.00	4.70	0.05	15.75		
	Muni Kempanna Layout								
	Main Road		1	260.00	6.10	0.05	79.30		
	Cross Road		1	98.10	5.00	0.05	24.53		
	Basic rate	5533.00							
	Area weightage 6%	331.98							
	Sub Total	**5864.98**							
	Total						**241.76**	**5864.98**	**1417918.00**

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
16	KSRRB 500-7. Providing and **applying tack coat** using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications (P.No-161,I No-21.7)								
	Road	Sqm							
	Kaveri Layout								
	Gully Mart Shop (W0682)		1	352.00	4.40		1548.80		
	#2 Sri Mahalakshmi Nilaya (W1033)		1	41.00	4.60		188.60		
	#16/3 Beniwall Prem House Road (W0680)		1	20.00	4.40		88.00		
	Cell Kraft Shop Road (W0680)		1	74.00	4.10		303.40		
	A1 OM Nivas House (W1029)		1	63.00	5.00		315.00		
	#6 Matha Krupa House (W1021)		1	67.00	4.70		314.90		
	Muni Kempanna Layout								
	Main Road		1	260.00	6.10		1586.00		
	Cross Road		1	98.10	5.00		490.50		
	Basic rate	12.00							
	Area weightage 6%	*0.72*							
	Sub Total	**12.72**							
	Total						**4835.20**	**12.72**	**61504.00**
17	KSRRB M500-19. Providing and laying **bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 507 of MORTH V revision using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-ll (30 mm to 45 mm) with 5.4% VG-30 Bitumen(P.No-162,I No-21.22.6)								
	Road	**Cum**							
	Kaveri Layout								
	Gully Mart Shop (W0682)		1	352.00	4.40	0.04	61.95		
	#2 Sri Mahalakshmi Nilaya (W1033)		1	41.00	4.60	0.04	7.54		
	#16/3 Beniwall Prem House Road (W0680)		1	20.00	4.40	0.04	3.52		
	Cell Kraft Shop Road (W0680)		1	74.00	4.10	0.04	12.14		
	A1 OM Nivas House (W1029)		1	63.00	5.00	0.04	12.60		
	#6 Matha Krupa House (W1021)		1	67.00	4.70	0.04	12.60		
	Muni Kempanna Layout								
	Main Road		1	260.00	6.10	0.04	63.44		
	Cross Road		1	98.10	5.00	0.04	19.62		
	Basic rate	7972.00							
	Area weightage 6%	478.32							
	Sub Total	**8450.32**							
	Total						**193.41**	**8450.32**	**1634360.00**

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
18	KSRRB M800-13.**Road Marking with Hot Applied Thermoplastic Compound** with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(P.No-182,I No-24.15)								
	Road	**Sqm**							
	Kaveri Layout								
	Gully Mart Shop (W0682)		2	352.00	0.10		70.40		
	#2 Sri Mahalakshmi Nilaya (W1033)		2	41.00	0.10		8.20		
	#16/3 Beniwall Prem House Road (W0680)		2	20.00	0.10		4.00		
	Cell Kraft Shop Road (W0680)		2	74.00	0.10		14.80		
	A1 OM Nivas House (W1029)		2	63.00	0.10		12.60		
	#6 Matha Krupa House (W1021)		2	67.00	0.10		13.40		
	Muni Kempanna Layout								
	Main Road		2	260.00	0.10		52.00		
	Cross Road		2	98.10	0.10		19.62		
	Basic rate	429.00							
	Area weightage 6%	25.74							
	Sub Total	**454.74**							
	Total						**195.02**	**454.74**	**88684.00**
								Grand Total	**8749451.00**
								DPR Charges (1% of estimated cost)	**100000.00**
								Project management And Consultancy Charges(1% of estimated cost)	**100000.00**
								GST Charges (12% of estimated cost)	**1049935.00**
								Miscellenious and rounding	**614.00**
								Total Amount	**10000000.00**
								RUPEES ONE CRORE ONLY	

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum
4) The estimate is based on C.S.R of 2018-2019,Issue rates and Data Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP

P.V.R

PRASAD CONSULTANTS
BANGALORE